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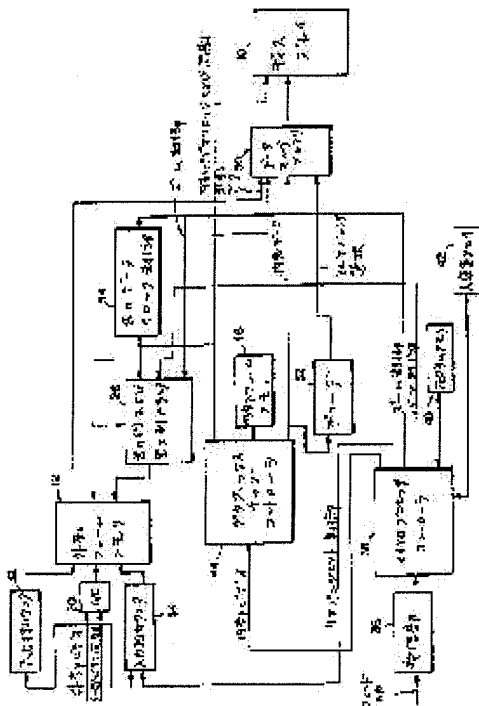
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## (54) METHOD AND DEVICE FOR MERGING INDEPENDENTLY GENERATED INTERNAL VIDEO SIGNAL WITH EXTERNAL VIDEO SIGNAL



(57)Abstract:

**PURPOSE:** To provide the method and device which drive an LCD display device by mixing an internally generated or stored video signal with an external video signal.

**CONSTITUTION:** The external video signal is inputted to a dual-port external frame memory 12 with a clock. The internal video signal is generated internally or read out of an internal mass-storage memory device 42 and stored in an internal frame memory 46. Start numbers of a row and a column counter for reading data out of the external frame memory are adjusted to pan an external video image. A read of the external frame memory 12 is selectively repeated to zoom an image on an LCD display device 10. The displayed image is inverted by inverting the direction of the storage of the external video signal in the frame memory 12 or the direction of

a read of columns of information, and an accurate image of rear projection is obtained.